

WHAT IS CLAIMED IS:

1. Method for receiving and converting transmission signals transmitted according to different protocols, comprising steps
- 5 of:

receiving a transmission signal;

judging according to which protocol the transmission signal
10 is transmitted; and

executing mapping operation corresponding to the
transmission signal.

- 15 2. Device for receiving and converting transmission signals transmitted according to different protocols, the transmission signals coming from a remote controller and a remote controlling keyboard, the device being mounted on an electronic product having a microprocessor unit, said device comprising:

20 a signal receiver serving to receive the transmission signals transmitted from the remote controller and the remote controlling keyboard;

25 a determination circuit serving to judge whether the transmission signal comes from the remote controller or the remote controlling keyboard; and

30 a mapping/outputting circuit which according to the result of judgement of the determination circuit executes mapping operation for the received transmission signal and outputs the

mapped transmission signal to the microprocessor unit for excessive processing so as to control the responsive operation of the electronic product.

5 3. Signal transmitting/receiving system comprising:

at least two signal transmitting devices for transmitting transmission signals according to different protocols; and

10 a signal receiving device for receiving and converting the transmission signals transmitted by the signal transmitting devices, the signal receiving device being mounted on an electronic product having a microprocessor unit, the signal receiving device including:

15 a signal receiver for receiving the transmission signals transmitted from the two signal transmitting devices;

20 a determination circuit for judging from which signal transmitting device the transmission signal is transmitted; and

25 a mapping/outputting circuit which according to the result of judgement of the determination circuit executes mapping operation for the received transmission signal and outputs the mapped transmission signal to the microprocessor unit for excessive processing so as to control the responsive operation of the electronic product.